

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT EXAMINING OPERATION

In re Application of:  
James C. PATTERSON, II

Serial No.: 10/811,633

Filed: March 29, 2004

For: **METHODS FOR  
USING PET MEASURED  
METABOLISM TO DETERMINE  
COGNITIVE IMPAIRMENT**

§ Atty Docket No.: BIOD,002  
§  
§  
§  
§ Examiner: Unknown  
§  
§  
§ Group Art Unit: Unknown  
§



COMMISSIONER OF PATENTS  
P. O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date indicated below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Mark R. Wisner, Registration No. 30,603

Aug 9, 2004  
Date

**POWER OF ATTORNEY AND  
ELECTION UNDER 37 C.F.R. § 3.71**

Sir:

The undersigned, being an Assignee of the above-identified patent application, hereby elects under 37 C.F.R. §3.71 to prosecute this patent/patent application to the exclusion of the inventor(s)/previous assignee(s). In accordance with the provisions of 37 C.F.R. §3.73(b), attached hereto in the form of a Certificate Under 37 C.F.R. §3.73(b) executed by the Assignee is documentary evidence of a chain of title from the original owner to the Assignee or a specification by reel and frame number of where such evidence is recorded in the Patent and Trademark Office. Included in that Certificate is a statement specifying that the evidentiary documents have been reviewed and certifying that, to the best of Assignee's knowledge and belief, title is in the Assignee.

The Assignee hereby revokes any previous Power of Attorney and appoints:

Mark R. Wisner, Registration No. 30,603; and

Malcolm H. Skolnick, Registration No. 33,788;

jointly and severally, as Assignee's attorney or agent, with full power of substitution and revocation, to prosecute this patent/patent application, to make alterations and amendments therein,

and to transact all business in the Patent and Trademark Office in connection therewith.

Please address all communications to:

Mark R. Wisner  
WISNER & ASSOCIATES  
1177 West Loop South, Suite 400  
Houston, Texas 77027-9012  
Telephone: (713) 785-0555  
Facsimile: (713) 785-0561

**ASSIGNEE:**

**THE BIOMEDICAL RESEARCH  
FOUNDATION OF NORTHWEST LOUISIANA**

By: 

Signature of Authorized Official

Typed/Printed Name:

**JAMES D. DEAN  
V.P. FINANCE & ADMIN.**

Title:

Date:

*August 4*, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT EXAMINING OPERATION



In re Application of:  
James C. PATTERSON, II

Serial No.: 10/811,633

Filed: March 29, 2004

For: **METHODS FOR  
USING PET MEASURED  
METABOLISM TO DETERMINE  
COGNITIVE IMPAIRMENT**

§ Atty Docket No.: BIOD,002  
§  
§  
§  
§ Examiner: Unknown  
§  
§  
§ Group Art Unit: Unknown  
§

COMMISSIONER OF PATENTS  
P. O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date indicated below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Mark R. Wisner, Registration No. 30,603

Aug. 9, 2004  
Date

**CERTIFICATE UNDER 37 C.F.R. 3.73(B)**

Dear Sir:

The Biomedical Research Foundation of Northwest Louisiana, a Louisiana non-profit corporation ("Assignee"), certifies that it is an Assignee of the patent/patent application identified above by virtue of:

- ☒ A. An Assignment from the inventor(s) of the patent application identified above.
- ☐ The Assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_; or
- ☒ A copy thereof is attached.
- ☐ B. A chain of title from the inventor(s) of the patent/patent application identified above to the current assignee as shown below:
1. From: \_\_\_\_\_  
To: \_\_\_\_\_
- ☐ The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_; or
- ☐ A copy thereof is attached.
2. From: \_\_\_\_\_  
To: \_\_\_\_\_
- ☐ The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_; or
- ☐ A copy thereof is attached.

3. From: \_\_\_\_\_  
To: \_\_\_\_\_

☐ The document was recorded in the Patent and Trademark  
Office at Reel \_\_\_\_, Frame \_\_\_\_; or

☐ A copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent/patent application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereof.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

JAMES D. DEAN  
V.P. - FINANCE & ADMIN.

Title: \_\_\_\_\_

Date: \_\_\_\_\_

August 4

, 2004

**ASSIGNMENT****COPY**

FOR the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the undersigned Assignor, do hereby SELL, ASSIGN AND TRANSFER to The Biomedical Research Foundation of Northwest Louisiana, a Louisiana non-profit corporation having a place of business at 1505 Kings Highway, Shreveport, Louisiana 71103 (the "Assignee"), an undivided one-half interest in and to the application, and the invention disclosed and/or claimed in the application, for United States Letters Patent Serial No. 10/811,633, filed in the U.S. Patent and Trademark Office on March 29, 2004 and entitled **METHODS FOR USING PET MEASURED METABOLISM TO DETERMINE COGNITIVE IMPAIRMENT**, and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all other countries foreign thereto on any of such improvements, including all rights of priority to such invention and application pursuant to international treaty, and all original and reissued patents which have been or shall be issued in the United States and all other countries on such improvements for the full term(s) for which the same may be granted;

AUTHORIZE AND REQUEST the Patent and Trademark Office, and the appropriate office in all countries foreign to the United States, to issue any and all such patents granted on such improvements jointly to the Assignor and the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the Assignor, and that the full right to convey the same as herein expressed is possessed by the Assignor;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the Assignor will execute and deliver to the Assignee all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements, execute and deliver to the Assignee all rightful oaths, declarations, assignments, powers of attorney and other papers, communicate to the Assignee all facts known to the Assignor relating to such improvements and the history thereof, and generally do everything that the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

SAID ASSIGNMENT TO BE BINDING on the heirs, assigns, representatives and successors of the Assignor and extend to the successors, assigns and nominees of the Assignee.

**THE BOARD OF SUPERVISORS OF  
LOUISIANA STATE UNIVERSITY AND  
AGRICULTURAL AND MECHANICAL  
COLLEGE, A LOUISIANA PUBLIC  
CONSTITUTIONAL CORPORATION, ACTING  
THROUGH ITS LOUISIANA STATE UNIVERSITY  
HEALTH SCIENCES CENTER - SHREVEPORT**

4 Aug 04  
Date Signed

By: John C. McDonald  
Signature of Authorized Official

Typed/Printed Name: John C. McDonald

Title: Chancellor & Dean

STATE OF LOUISIANA     §  
                                     §  
PARISH OF CADDO       §

Before me, the undersigned authority, on this date personally appeared Nola C. McDonald, Chancellor Jean (Title) of The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, a corporation, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed, in the capacity stated, and as the act and deed of said corporation.

Given under my hand and seal this 4 day of Aug, 2004.

R. W. F. X  
Notary Public, State of Louisiana

My Commission Expires: with life

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT EXAMINING OPERATION



In re Application of:  
James C. PATTERSON, II

Serial No.: 10/811,633

Filed: March 29, 2004

For: **METHODS FOR  
USING PET MEASURED  
METABOLISM TO DETERMINE  
COGNITIVE IMPAIRMENT**

§	Atty Docket No.:	BIOD,002
§		
§		
§		
§	Examiner:	Unknown
§		
§		
§	Group Art Unit:	Unknown
§		
§		

COMMISSIONER OF PATENTS  
P. O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date indicated below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

*[Signature]*  
Mark R. Wisner, Registration No. 30,603

*Aug. 9, 2004*  
Date

**POWER OF ATTORNEY AND  
ELECTION UNDER 37 C.F.R. § 3.71**

Sir:

The undersigned, being an Assignee of the above-identified patent application, hereby elects under 37 C.F.R. §3.71 to prosecute this patent/patent application to the exclusion of the inventor(s)/previous assignee(s). In accordance with the provisions of 37 C.F.R. §3.73(b), attached hereto in the form of a Certificate Under 37 C.F.R. §3.73(b) executed by the Assignee is documentary evidence of a chain of title from the original owner to the Assignee or a specification by reel and frame number of where such evidence is recorded in the Patent and Trademark Office. Included in that Certificate is a statement specifying that the evidentiary documents have been reviewed and certifying that, to the best of Assignee's knowledge and belief, title is in the Assignee.

The Assignee hereby revokes any previous Power of Attorney and appoints:

Mark R. Wisner, Registration No. 30,603; and

Malcolm H. Skolnick, Registration No. 33,788;

jointly and severally, as Assignee's attorney or agent, with full power of substitution and revocation, to prosecute this patent/patent application, to make alterations and amendments therein,

and to transact all business in the Patent and Trademark Office in connection therewith.

Please address all communications to:

Mark R. Wisner  
WISNER & ASSOCIATES  
1177 West Loop South, Suite 400  
Houston, Texas 77027-9012  
Telephone: (713) 785-0555  
Facsimile: (713) 785-0561

**ASSIGNEE:**

**THE BOARD OF SUPERVISORS OF  
LOUISIANA STATE UNIVERSITY AND  
AGRICULTURAL AND MECHANICAL COLLEGE,  
A LOUISIANA PUBLIC CONSTITUTIONAL  
CORPORATION ACTION THROUGH ITS  
LOUISIANA STATE UNIVERSITY HEALTH  
SCIENCES CENTER - SHREVEPORT**

By: John C. McDonald  
Signature of Authorized Official

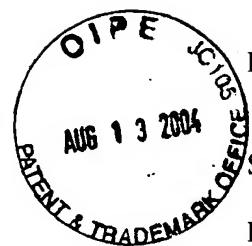
Typed/Printed Name: JOHN C. McDONALD

Title: CHANCELLOR/DEAN

Date: AUGUST 4, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT EXAMINING OPERATION



In re Application of:  
James C. PATTERSON, II

Serial No.: 10/811,633

Filed: March 29, 2004

For: **METHODS FOR  
USING PET MEASURED  
METABOLISM TO DETERMINE  
COGNITIVE IMPAIRMENT**

§ Atty Docket No.: BIOD,002  
§  
§  
§  
§ Examiner: Unknown  
§  
§  
§ Group Art Unit: Unknown  
§

COMMISSIONER OF PATENTS  
P. O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date indicated below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

*Mark R. Wisner*  
Mark R. Wisner, Registration No. 30,603

*Aug. 9*  
Date

**CERTIFICATE UNDER 37 C.F.R. 3.73(B)**

Dear Sir:

The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, a Louisiana public constitutional corporation acting through its Louisiana State University Health Sciences Center - Shreveport ("Assignee"), certifies that it is an Assignee of the patent/patent application identified above by virtue of:

- ☒ A. An Assignment from the inventor(s) of the patent application identified above.
- ☐ The Assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_; or
- ☒ A copy thereof is attached.
- ☐ B. A chain of title from the inventor(s) of the patent/patent application identified above to the current assignee as shown below:
1. From: \_\_\_\_\_  
To: \_\_\_\_\_
- ☐ The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_; or
- ☐ A copy thereof is attached.
2. From: \_\_\_\_\_  
To: \_\_\_\_\_
- ☐ The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_; or
- ☐ A copy thereof is attached.

3. From: \_\_\_\_\_  
To: \_\_\_\_\_

☐ The document was recorded in the Patent and Trademark  
Office at Reel \_\_\_\_, Frame \_\_\_\_; or

☐ A copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent/patent application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereof.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

*John C. McDonald*

*JOHN C. McDONALD*

*CHANCELLOR/DEAN*

*AUGUST 4*

, 2004

ASSIGNMENT

COPY

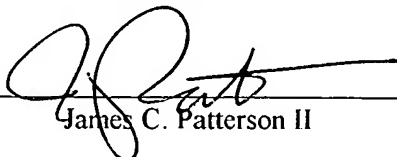
FOR the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the undersigned, do hereby SELL, ASSIGN AND TRANSFER to The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, a Louisiana public constitutional corporation, acting through its Louisiana State University Health Sciences Center - Shreveport and having a place of business at 1505 Kings Highway, Shreveport, Louisiana 71103 (the "Assignee"), the entire right, title and interest for the United States in and to the invention disclosed and/or claimed in the application for United States Letters Patent Serial No. 10/811,633, filed in the U.S. Patent and Trademark Office on March 29, 2004 and entitled **METHODS FOR USING PET MEASURED METABOLISM TO DETERMINE COGNITIVE IMPAIRMENT**, and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all other countries foreign thereto on any of such improvements, including all rights of priority to such invention and application pursuant to international treaty, and all original and reissued patents which have been or shall be issued in the United States and all other countries on such improvements for the full term(s) for which the same may be granted;

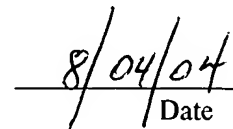
AUTHORIZE AND REQUEST the Patent and Trademark Office, and the appropriate office in all countries foreign to the United States, to issue any and all such patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute and deliver to the Assignee all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements, execute and deliver to the Assignee all rightful oaths, declarations, assignments, powers of attorney and other papers, communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof, and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

SAID ASSIGNMENT TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

  
James C. Patterson II

 2004  
Date

STATE OF LOUISIANA     §  
                                     §  
PARISH OF CADDO       §

Before me, the undersigned authority, on this date personally appeared **James C. Patterson II**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal this 4<sup>TH</sup> day of August, 2004.

Barry Kuperman

Notary Public, State of Louisiana

My Commission Expires: \_\_\_\_\_

